



US 20080201748A1

(19) **United States**

(12) **Patent Application Publication**

Hasek et al.

(10) **Pub. No.: US 2008/0201748 A1**

(43) **Pub. Date: Aug. 21, 2008**

(54) **METHODS AND APPARATUS FOR DEVICE CAPABILITIES DISCOVERY AND UTILIZATION WITHIN A CONTENT-BASED NETWORK**

Publication Classification

(51) **Int. Cl.**
H04N 7/173 (2006.01)
H04H 20/28 (2008.01)
H04J 1/00 (2006.01)
H04L 12/66 (2006.01)
(52) **U.S. Cl.** 725/98; 725/111; 725/114; 370/486; 370/352

(76) **Inventors:** **Charles A. Hasek**, Broomfield, CO (US); **Jeffrey P. Markley**, Golden, CO (US)

(57) **ABSTRACT**

Methods and apparatus for determining and selecting digital coding and/or decoding technology, delivery bitrates, and resolution parameters for programming and data delivery over, e.g., a content-based network. In one embodiment, the network comprises an HFC cable or satellite network that includes a server process interfacing with a plurality of customer premises equipment (CPE), and/or associated client devices, each having different display resolution, bitrate, and/or decoding capabilities profiles. The server determines the one or more capabilities possessed by the CPE or client device, and evaluates one or more program or content choices for possible delivery to that CPE or device based on its profile. The selection process may also take into consideration network and/or CPE operational considerations, such as conservation of downstream bandwidth, CPE uprating capability, client device power consumption, and the like.

Correspondence Address:
Robert F. Gazdzinski
GAZDZINSKI & ASSOCIATES
Suite 375, 11440 West Bernardo Court
San Diego, CA 92127

(21) **Appl. No.:** 11/904,408

(22) **Filed:** Sep. 26, 2007

Related U.S. Application Data

(63) Continuation-in-part of application No. 11/363,577, filed on Feb. 27, 2006.

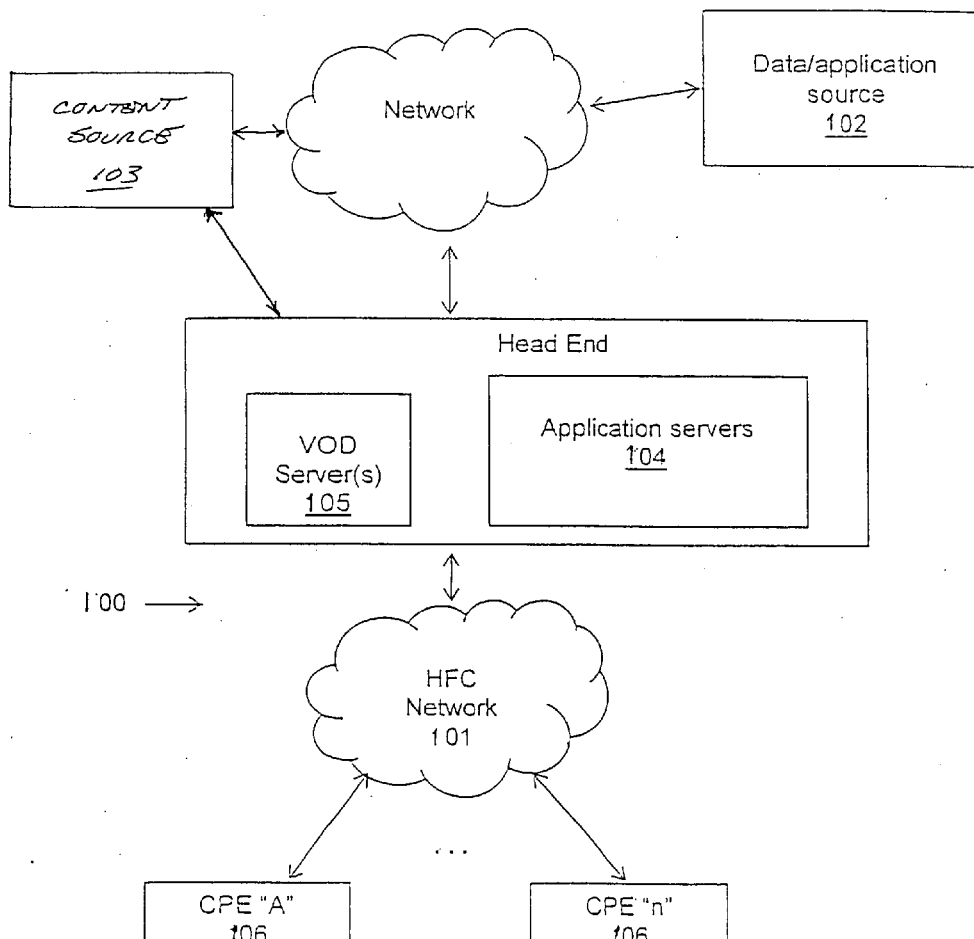
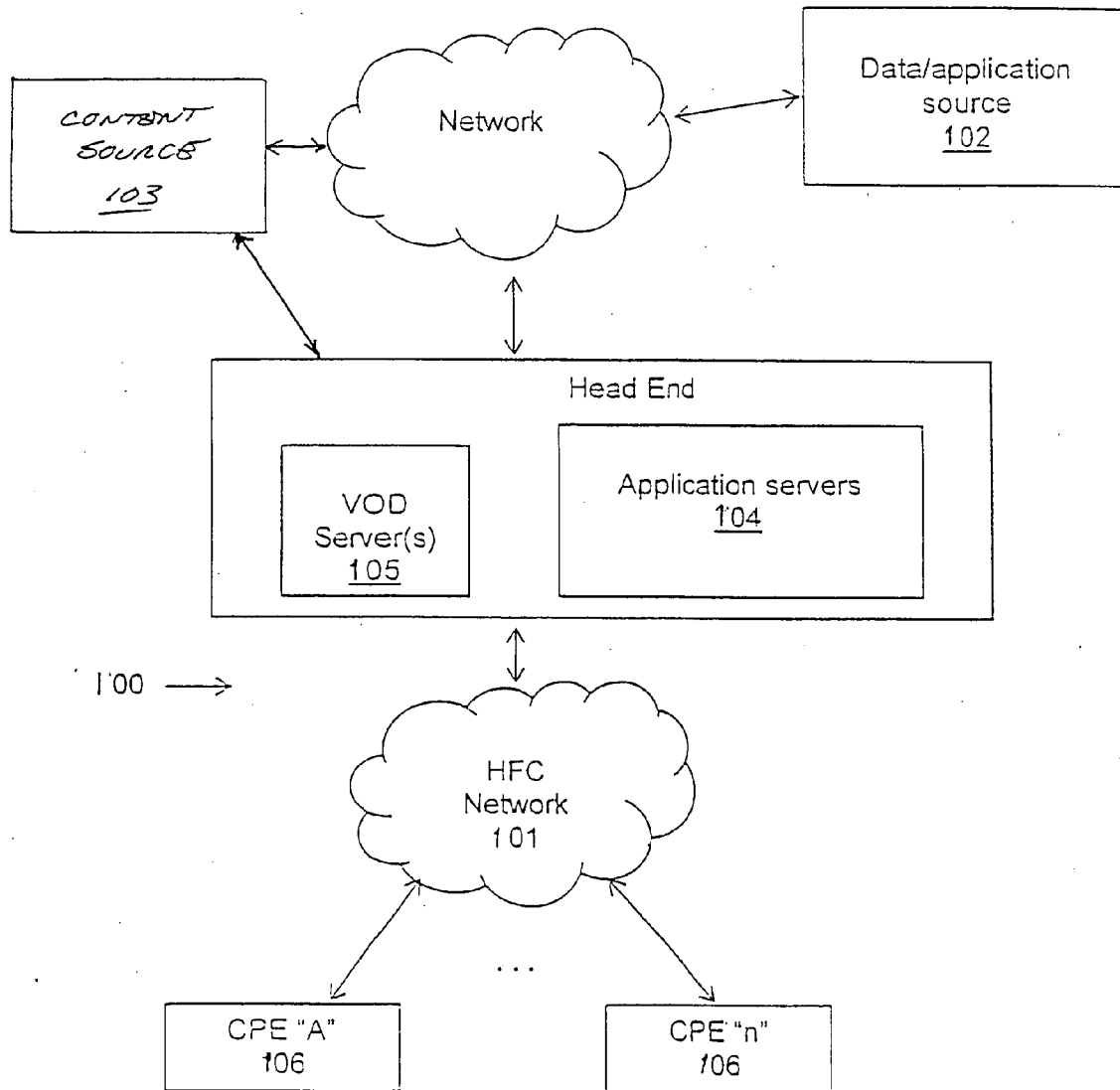


FIG. 1



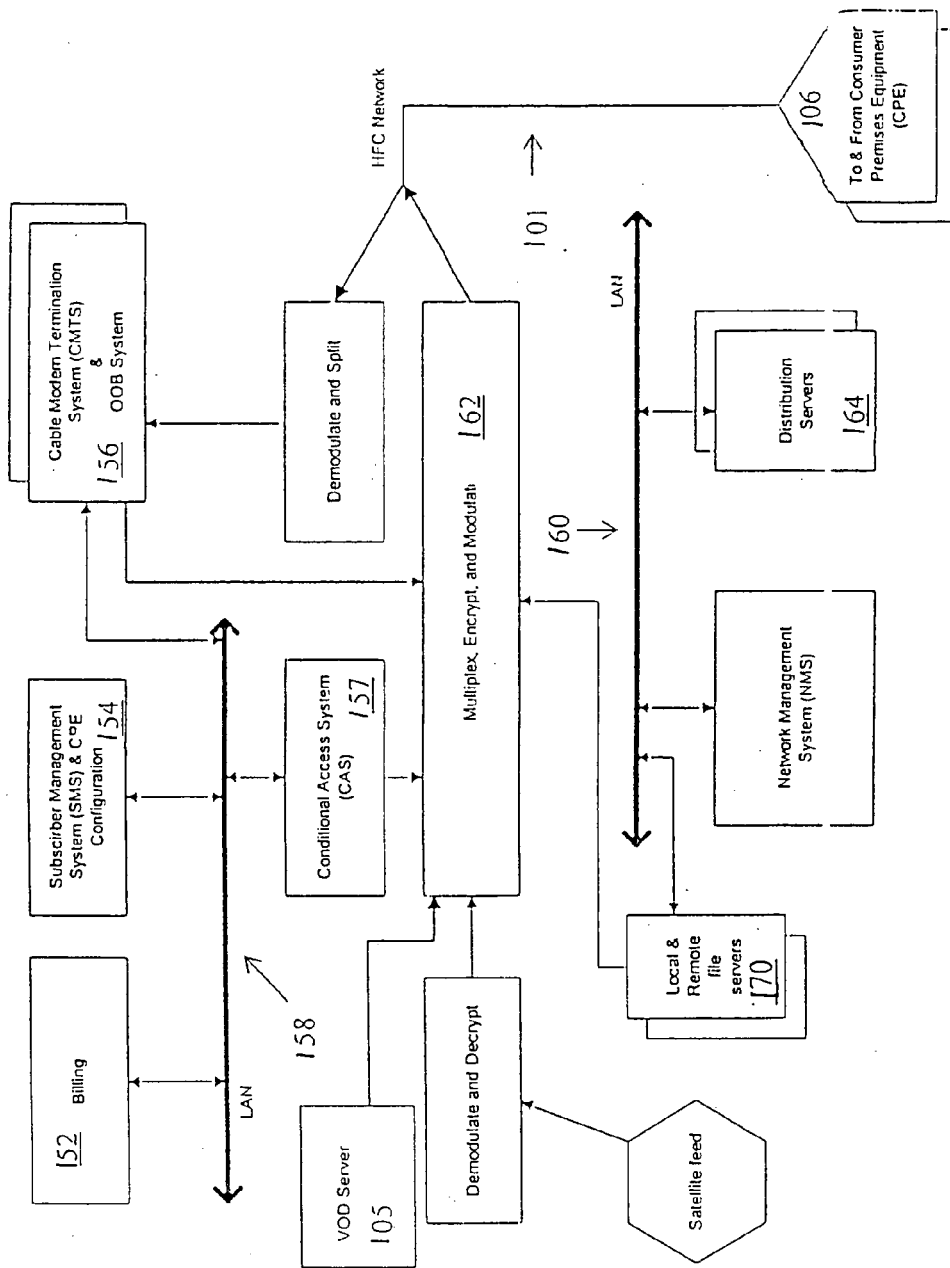
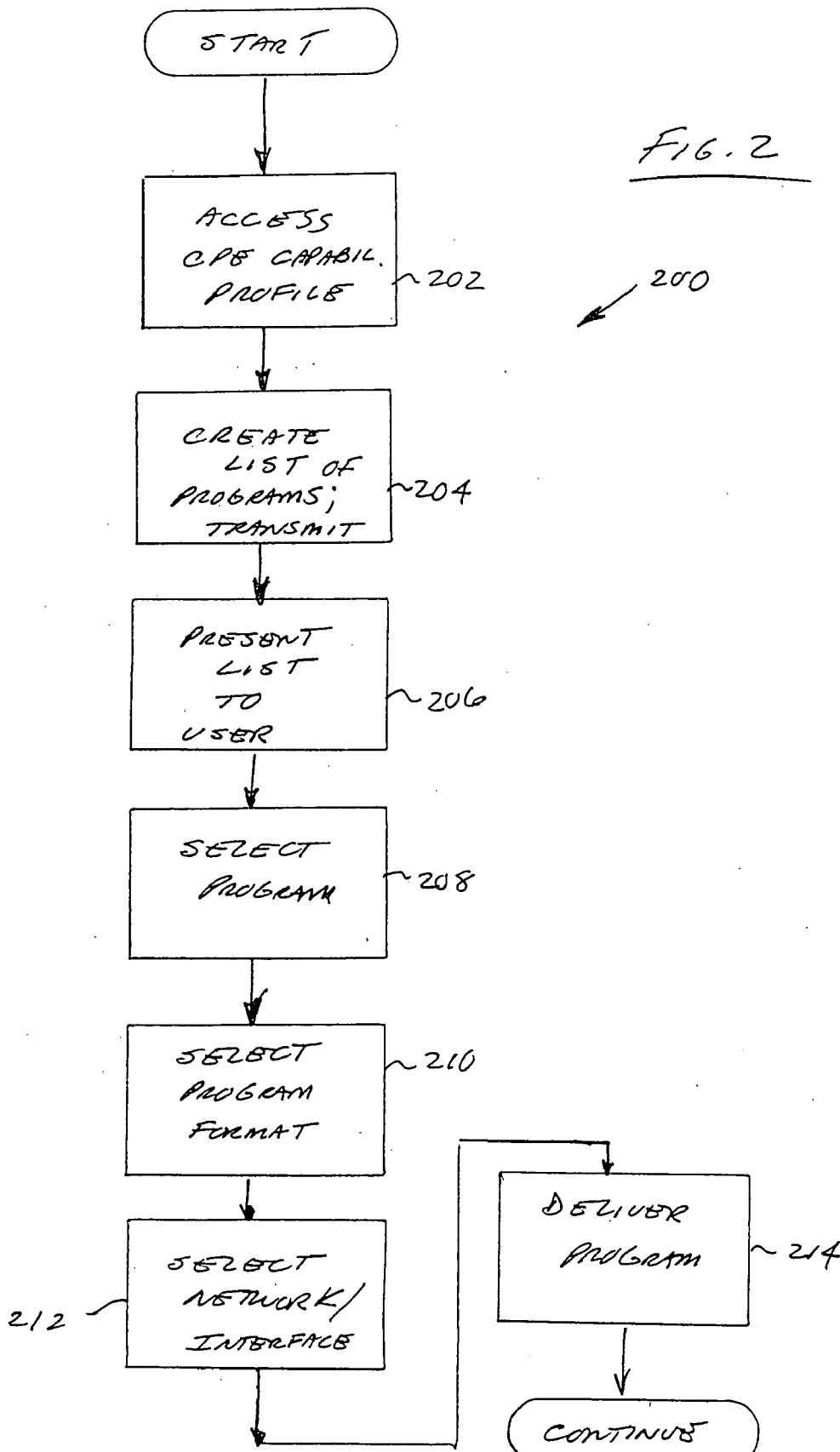


Fig. 1a

150



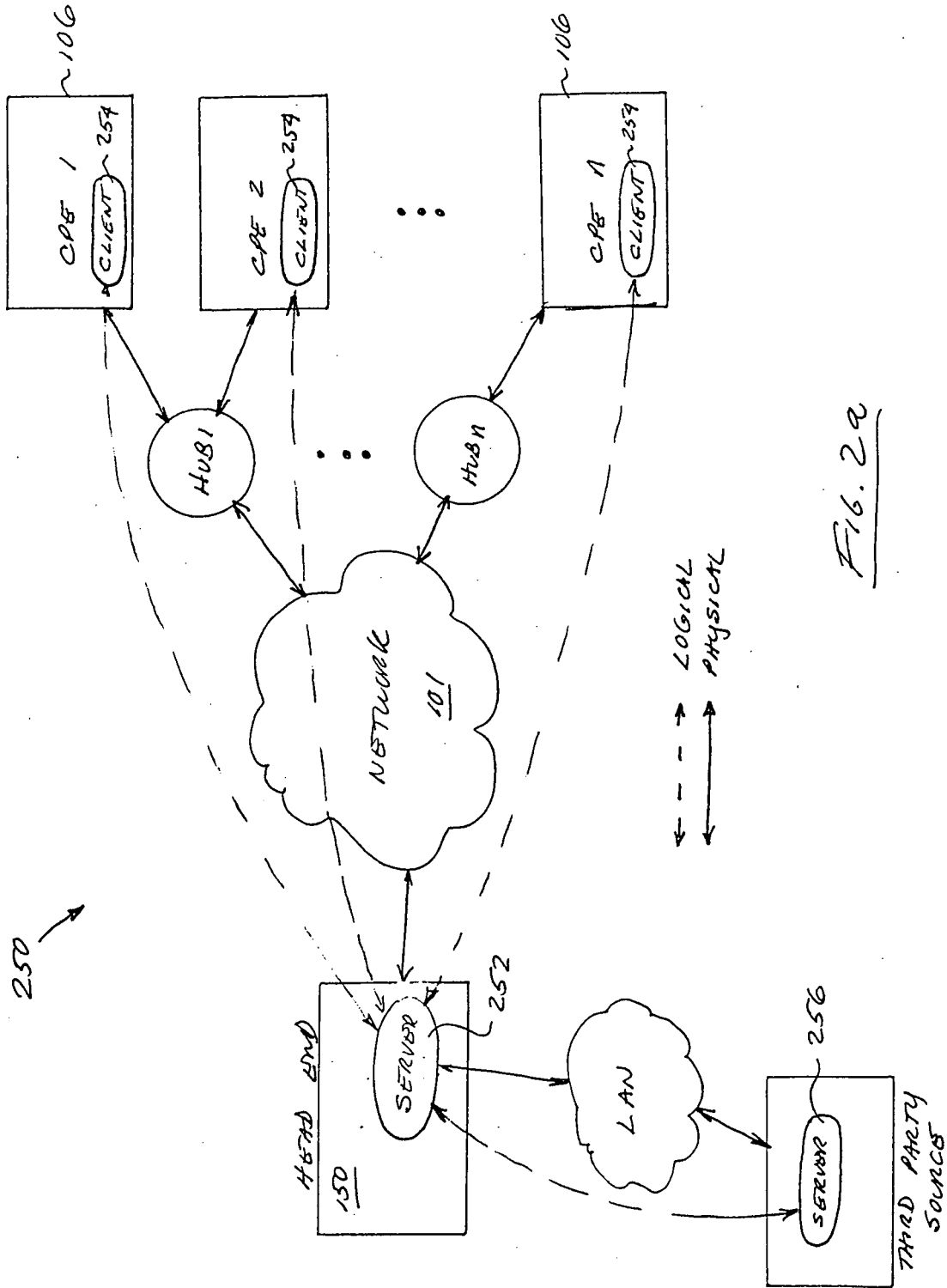


Fig. 2a

Explore Litigation Insights

Docket Alarm provides insights to develop a more informed litigation strategy and the peace of mind of knowing you're on top of things.

Real-Time Litigation Alerts



Keep your litigation team up-to-date with **real-time alerts** and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

Our comprehensive service means we can handle Federal, State, and Administrative courts across the country.

Advanced Docket Research



With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

Analytics At Your Fingertips



Learn what happened the last time a particular judge, opposing counsel or company faced cases similar to yours.

Advanced out-of-the-box PTAB and TTAB analytics are always at your fingertips.

API

Docket Alarm offers a powerful API (application programming interface) to developers that want to integrate case filings into their apps.

LAW FIRMS

Build custom dashboards for your attorneys and clients with live data direct from the court.

Automate many repetitive legal tasks like conflict checks, document management, and marketing.

FINANCIAL INSTITUTIONS

Litigation and bankruptcy checks for companies and debtors.

E-DISCOVERY AND LEGAL VENDORS

Sync your system to PACER to automate legal marketing.